ABSTRACT

    An LUT1 preparation section 1 and an LUT2 preparation

5   section 2 prepare an LUT1 and an LUT2 for producing linear

    output from first raw data or second raw data. Using the LUT1

    and LUT2, an LUT1 conversion section 3 and an LUT2 inverse

    conversion section 4 convert CMYK of the first raw data and

    C'M'Y'K' of the second raw data into four color values adjusted,

10 and an L matching LUT preparation section 5 prepares an L

    matching LUT so that the K value of the four color values

    adjusted becomes equal. A K preservation 4DLUT preparation

    section 6 prepares a K preservation 4DLUT from the four color

    values adjusted, the L matching LUT, and the Lab value of the

15 first and second raw data. A 4DLUT reset section 7 resets some

    of data in the prepared K preservation 4DLUT, whereby partial

    colorimetric match is intended.